

**What is claimed is:**

1. A method of displaying media information, comprising:  
displaying a first type of program information on a first surface; and  
displaying a second type of program information on a second surface;  
wherein program information of at least two different types is displayed as a three-dimensional image.
2. The method of claim 1, wherein displaying includes displaying said first surface as a planar surface.
3. The method of claim 1, wherein displaying includes displaying said first surface as a non-planar surface.
4. The method of claim 1, wherein said first type of program information comprises an electronic program guide for a plurality of television channels.
5. The method of claim 1, wherein said second type of program information comprises a program guide for stored video files.
6. The method of claim 4, wherein displaying includes displaying objects on said second surface representing user defined categories of stored video files.
7. The method of claim 6, wherein said objects comprise a representation of drawers, the method further comprising:  
responsive to a user input requesting information for a selected drawer,  
opening said selected drawer orthogonally to said second surface and displaying information describing stored video files associated with said selected drawer.
8. The method of claim 7, wherein said displaying information describing stored video files comprises:  
displaying at least one picture.
9. The method of claim 7, wherein said displaying information describing stored video files comprises:  
playing at least one audio file.
10. The method of claim 7, wherein said displaying information comprises: revealing at least one data pop-up configured for a user to obtain additional information for at least one stored video file.
11. The method of claim 10, wherein said at least one data pop-up is a polyhedron having a media thumbnail associated with at least one face of the polyhedron.
12. The method of claim 11, further comprising:

rotating said pop-up to reveal a thumbnail of said polyhedron disposed on a face of said polyhedron that is initially hidden from view.

13. The method of claim 11, wherein said data pop-up is a cube having media thumbnails associated with faces of the cube.

14. The method of claim 11, wherein said media thumbnail is selected from the group consisting of: an audio thumbnail, a still picture, and a video clip.

15. The method of claim 5, wherein said stored video files are associated with a personal video recorder.

16. The method of claim 6, wherein at least one object represents an aisle of video files.

17. The method of claim 16, further comprising:  
responsive to a user input,  
displaying video images representing stored video files associated with a selected aisle.

18. The method of claim 1, wherein at least a portion of one of the surfaces represents a video rental store.

19. The method of claim 1, wherein said first surface has a time axis and a channel axis, with at least one of the axes being scaled non-linearly to facilitate reviewing electronic program guide information.

20. The method of claim 1, further comprising:  
responsive to a user input, moving the three-dimensional image to navigate between the first type of program information and the second type of program information.

21. The method of claim 1, further comprising:  
displaying a cursor on a local coordinate of at least one of said surfaces; and  
in response to user commands, moving said cursor on said local coordinate.

22. The method of claim 21, wherein at least one of said surfaces has a non-linear scale and said cursor is moving on a non-linear local coordinate.

23. The method of claim 1, wherein the first type of program information is an electronic program guide and the second type of program information is a guide for stored video files.

24. The method of claim 1, wherein the second type of program information is for at least one of audio files, photo files, or data files.

25. The method of claim 6, further comprising:  
responsive to a user input, rotating the three dimensional image to view a selected one of the surfaces.

26. The method of claim 1, further comprising:

receiving a request for calendar information from a user and displaying a calendar pane.

27. A graphical user interface, comprising:

a first surface for displaying electronic program guide (EPG) information;

a plurality of objects for representing program information for stored files disposed on at least one other surface;

wherein the first surface and the at least one other surface form a three-dimensional image.

28. The user interface of claim 27, wherein said first surface has a linear time axis and a linear channel axis.

29. The user interface of claim 27, wherein said first surface has a non-linear time axis.

30. The user interface of claim 27, wherein said first surface has a non-linear channel axis.

31. The user interface of claim 27, wherein said first surface has a non-linear time axis and a non-linear channel axis.

32. The user interface of claim 27, wherein said plurality of objects represent drawers of content.

33. The user interface of claim 27, wherein said three-dimensional image may be moved in response to a user input, whereby a user may switch between viewing an EPG and program information for stored files.

34. The user interface of claim 33, wherein said image is rotated in response to a user request.

35. The user interface of claim 27, wherein at least one of said objects has thematic elements disposed on each of a plurality of facets.

36. The user interface of claim 35, wherein said at least one object comprises a cube.

37. The user interface of claim 35, wherein said at least one object represents a portion of a video store.

38. A method of displaying media information, comprising:

generating a three-dimensional image for displaying television program information;

displaying program information on said three-dimensional image; and

in response to a user input, moving said three-dimensional image to display program information of interest.

39. The method of claim 38, wherein said three-dimensional image comprises a cylinder and a video fill buffer is mapped onto said cylinder.

40. The method of claim 39, further comprising: in response to a user input, rotating said cylinder to reveal program information.
41. The method of claim 38, wherein said three-dimensional image comprises a sphere.
42. The method of claim 41, further comprising: in response to a user input, rotating said sphere to reveal program information.
43. The method of claim 38, wherein said three-dimensional image comprises a polyhedron.
44. The method of claim 43, where at least one facet of said polyhedron has a media thumbnail.
45. The method of claim 43, further comprising: in response to a user input, rotating said polyhedron to reveal a hidden facet having program information.
46. The method of claim 38, wherein said three-dimensional image includes an electronic program guide (EPG) surface for displaying an EPG and a personal video recorder (PVR) surface for displaying a PVR guide.
47. The method of claim 46, wherein said PVR surface includes objects for representing attributes of stored video files.
48. The method of claim 46, further comprising: responsive to a user command, rotating said three-dimensional image to bring one of the surfaces into a face-on view.
49. The method of claim 38, wherein said moving comprises moving objects of interest into a focused view.
50. The method of claim 38, wherein a portion of said three-dimensional image has a linear scale on at least one axis.
51. The method of claim 38, wherein a portion of said three-dimensional image has a non-linear scale on at least one axis.
52. The method of claim 38, wherein a portion of said three-dimensional image has a linear scale on at least one axis.
53. The method of claim 38, wherein a portion of said three dimensional image has a first linear axis on a first axis and a second non-linear scale on a second axis.
54. An apparatus for displaying media information as a three-dimensional image, comprising:
- a computer receiving electronic program guide information;
  - a graphics processor coupled to the computer for forming three-dimensional graphical images on a visual display; and
  - a personal video recorder coupled to the computer for storing video files;

the computer configured to display a three dimensional image of electronic program guide information and objects representing stored video files such that a user may move the three-dimensional image to navigate through program information.

55. The apparatus of claim 54, wherein the computer controller is configured to display an electronic program guide on a first surface and a personal video recorder guide on a second surface.